Reviewer RITCHIE
Date 2-9-88

RKB 2/25/88

Form/Permit # 4652
Company Name KWB Oil Properties Mgt.
Well # (b) (9) [redacted]
Location

1093/S 669/E (A)

TECHNICAL REVIEW

Type Injection Well: (EOR/SWD/HC Storage) (New/Conversion) (Active/Inactive)

Injection: (Continuous/Cyclic)

Approximate # days operating/year
Rate (B/D): Average ____ Maximum ____
Wellhead pressure (psi): Average ____ Maximum ____
Fluid: TDS ____ Sp. Gr. ____ Analyses included: (yes/no)
Source (formation name) ____

Geologic Data (all references to depths are below land surface)

Base of Historical Usable Water: <100' (SW/4-18-23-12)
Base of USDW and how determined: <100' (SW/4-18-23-12)
Injection Interval: Top 1418' ; Bottom 1555' ; Effective Thickness 137
Formation name Bartlesville Lithology ~~S~~ ss.
Porosity (%) ____ Initial Reservoir Pressure ____ Date ____
Permeability (md) ____
Confining Zones: Thickness between injection zone and USDW -- 1318+
Lithology ss., cs., sh.
Cumulative shale ____ : thickest shale zone ____ (interval)

Well Data: (all references to depths are below land surface)

Total Depth: 1555
Surface Elevation: 692 (KB/GL)
Plugged Back Depth: 1555
Date Drilled or to be drilled: 9-21-35
Date converted: 9-21-35
Type logs available on (this well/offset well): (By reference/included) ____

Test data: (By reference/included) ____

Construction:	Size (in)	Depth Interval	Sacks of Cement	Hole Size	Cement Interval	How Determined
Surface Csg.	10"	0-47	0			
Intermediate Csg.						
Long String Csg.	6 5/8"	0-1418	0			
Liner						
Tubing	2 3/8"	?	Packer type and depth ?			

Type Cement = ____ sx × ____ ft³/sx × # of sx (none) = ____ total ft³ of cement × ____ lin ft/ft³ from tables = ____ Lin ft of cement

AOR (1/4 mile radius)

Map submitted: (yes/no) Tabulation of Wells Submitted: (yes/no)
Faults Located: (yes/no); (none Present/Distance from injection well ____
Number of wells in AOR:
Total ____ (Abandon ____ ; Production ____ ; Injection: SWD ____ EOR ____
Number of wells in Zone of Endangering Influence: Total ____
Number of wells Requiring Corrective Action: Total ____ (list below) (SWD ____ EOR ____

Well	Type Well (SWD EOR Prod)	Problem	Corrective Action Required (Enter Code From Be

Maximum Injection Pressure Calculation Pm = (Frac Gradient - (0.433 X Sp.Gr.)) depth

Pm = (0.75 - (0.433 X ____)) X ____ = ____ (psi)

Technical Review (Passed/Failed) #1

Corrective Action Code:
(1) Casing Repaired/Recemented
(2) Plugging/Abandonment of Active Wells
(3) Replugging of Abandoned Wells
(4) Injection